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PATENT COOPERATION TRI

From the

INTERNATIONAL PRELIMINARY EXAMINING

To:		• • • •			•
KIM, Bong-Hee  2F. Daeho Building, 1	502 12 Sa	oobo? d	ana: Sasaba	~	

WRITTEN OPINION

Seoul 137-870, Republic of KOREA	(PCT Rule 66)
	Date of mailing (day/month/year) 20 JULY 2004 (20.07.2004)
Applicant's or agent's file reference EMW9644	REPLY DUE within 2 months from the above date of mailing
PCT/KR2002/001212 25 JUNE	al filing date (day/month/year)  E 2002 (25.06.2002)  Priority date(day/month/year)
International Patent Classification (IPC) or both natio	onal classification and IPC
E.M.W.ANTENNA CO., LTD. et al	
2. This opinion contains indications relating to the form  I Basis of the opinion  II Priority  III Non-establishment of opinion with  IV Lack of unity of invention	regard to novelty, inventive step and industrial applicability  2(a)(ii) with regard to novelty, inventive step or industrial applicability; ag such statement  application  tional application
to grant an extension, see Rule 66.2(c How? By submitting a written reply, accome For the form and the language of the Also For an additional opportunity to submit For an examiner's obligation to consist For an informal communication with	apanied, where appropriate, by amendments, according to Rule 66.3 amendments, see Rules 66.8 and 66.9 nit amendments, see Rule 66.4 der amendments and/or arguments, seeRule 66.4bis
The final date by which the international prelimin examination report must be established according	nary g to Rule 69.2 is: 15 OCTOBER 2004 (15.10.2004)

Name and mailing address of the IPEA/KR



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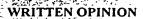




ernational application No.

PCT/KR2002/001212

1	Basis (	of the of	ppinion		
1.	With	regard t	to the elements of the international application:*	<del></del>	
	X	the inte	ernational application as originally filed		
		the desc	scription:		
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	Ш	the sequence	quence listing part of the description:	, as origin	allu filad
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2.	the i	internationse elemonth of the land	d to the language, all the elements marked above were available or furnished to this Avional application was filed, unless otherwise indicated under this item.  ments were available or furnished to this Authority in the following language unguage of a translation furnished for the purposes of international search (under Rule anguage of publication of the international application (under Rule 48.3(b)).  anguage of the translation furnished for the purposes of international preliminary example.	English 23.1(b)).	which is
3.	With draw	vn on the	d to any nucleotide and/or amino acid sequence disclosed in the international applice basis of the sequence listing: sined inthe international application in printed form.	ication, the written op	inion was
			together with the international application in computer readable form.		
			shed subsequently to this Authority in written form.		
	$\overline{\Box}$		shed subsequently to this Authority in computer readable form		
		The sintern	statement that the subsequently furnished written sequence listing does not go be mational applicationas as filed has been furinshed.  statement that the information recorded in computer readable form is identical to the furnished.		
4.		The ar	umendments have resulted in the cancellation of:		I
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			the claims, Nos.		ļ
			the drawings,sheet/fig		
5.					
		This beyon	opinion has been drawn as if (some of) the amendments had not been made, since to and the disclosure as filed, as indicated in the Supplemental Box(Rule 70.2(c)).	hey have been consid	dered to go
•	Replo in thi	acement is opinio	t sheets which have been furnished to the receiving Office in response to an invitation on as "originally filed."	ı under Article 14 are	referred to
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International application No.

PCT/KR2002/001212

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1	V. Danamad at taken and an dan Daris (CA/s)(t) with many data at the contract of the contract
ł	V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability;
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ł	citations and explanations supporting such statement
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Novelty (N)	Claims	1-16	YES
	Claims	None	NO
Inventive step (IS)	Claims	1-9,11-12,14-15	YES
	Claims	10,13,16	NO
Industrial applicability (IA)	Claims	1-16	YES
	Claims	None	NO

## 2. Citations and explanations

Claims 10, 13 and 16 of the present invention relate to a multiple band type antennas. Compared to the cited document(US 5861859), the components comprised of a first helical antenna, a covering material, a whip antenna and a third helical antenna are partly similar. Therefore, it is easy to arrive at the invention. Accordingly, Claims 10, 13 and 16 of the present invention do not meet the requirements of Article 33(3) PCT.